

National Lighting Partner Meeting April 4-6, 2005 David Shiller, U.S. EPA

**ENERGY STAR Fixtures:**What's on the Horizon

### What's on the Horizon?

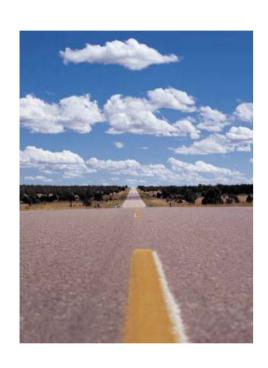


- Consumer and market demand for ENERGY STAR fixtures continues to grow.
- Manufacturers are responding to this growth with more fixtures and technological innovation



### **Session Agenda**





- Line Voltage Socket
- Self-ballasted Lamp
- Line Voltage Socket samples and lamp-ballast samples
- Dimmability
- Question and Answer





National Lighting Partner Meeting April 4-6, 2005

**ENERGY STAR: What's on the Horizon** 

**Self-ballasted Lamp** 

### Integrated Lamp/Ballast



- Similar to a screw-base CFL but has a pin base
- Fits into a standard line voltage socket
- Allows consumer to purchase the lamp of choice
- Under consideration by ENERGY STAR



# Exceptions to Self-Ballasted Lamp Applications



- Recessed cans
  - Critical heat advantages to separating the lamp and ballast
- Linear and Circline Fixtures
  - Design includes a separate lamp-ballast



## Self-ballasted Lamp Advantages



#### Solves:

- Lamp base issues
- Lamp-ballast compatibility issues
- Ballast replaceability and availability issues
- Wattage choice for consumers

#### And:

- Prepares ENERGY STAR for future LED integration
- Lowers fixture and replacement bulbballast costs



# Self-ballasted Lamp Advantages



If EPA then labels self-ballasted pin based lamps:

- Consumers could find qualified replaceable lamps
- Lamp shipment requirement could be dropped
- No lamp or ballast in fixture = incandescent pricing
- Simplifies administration and testing for manufacturers
- Opens commercial markets to CCT and power factor options

# Self-ballasted Lamp Disadvantages



- Ballasts are disposed of after one lamp life, similar to screw-based CFLs
- Transition may be awkward
  - Success dependent on replacement stocking by retailers; and,
  - Support from manufacturers and energy efficiency community

### Next Steps



- Work to build collaboration with RLF manufacturers and lamp-ballast OEMs for the self-ballasted lamp
- Confirm retailers' interest in stocking and promoting the self-ballasted lamp
- Determine transition strategy
- Expected timeline: over the next 2 years

### **For More Information**



David Shiller, ENERGY STAR 202 343 9397 <a href="mailto:shiller.david@epa.gov">shiller.david@epa.gov</a>

